

said variable power source comprises a photosensitive control to vary said power source in response to the intensity of light incident on said eye shade apparatus;

a plurality of said photosensitive regions;

said plurality of said photosensitive regions provide said nonuniform light transmission; and

a processor to determine said nonuniform light transmission from responses of said photosensitive regions.

8. (Amended) An eye shade apparatus according to claim [1] 18 wherein each of said four electro-optic lens comprises a plurality of regions, said variable power source comprises a plurality of power outputs, each of said plurality of power outputs corresponds to at least one of said plurality of regions.
9. (Amended) An eye shade device according to claim [8] 1 wherein the power applied to each of said plurality of regions can be the same or different.
10. (Amended) An eye shade device according to claim [8] 1 wherein said variable power source comprises a manual control to vary the power at each of said plurality of power outputs.
11. (Amended) An eye shade device according to claim [8] 1 wherein said variable power source comprises a photosensitive control to vary said power source in response to the intensity of light incident on said eye shade apparatus.
12. (Amended) An eye shade apparatus according to claim [8] 1 comprising a manual mode of operation wherein said variable power source comprises a manual control to vary said power source and an automatic mode of operation wherein said variable power source comprises a photosensitive control to vary said power source in response to the intensity of light incident on said eye shade apparatus and a switch permitting selection of said manual mode of operation or said automatic mode of operation.
13. (Amended) An eye shade apparatus according to claim [8] 1 further comprising an electronic storage medium storing a plurality of power patterns for applying to said plurality of power outputs and a switch for selecting said plurality of power patterns.
18. (Amended) An eye shade apparatus having a variable transmission comprising:
an electro-optic lens;